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<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> <small>(Only for new nonprovisional applications under 37 CFR 1.53(b))</small>		<b>Attorney Docket No.</b> H0004299 US	
		<b>First Inventor</b> Jin K. Kim	
		<b>Title</b> MODULATION DOPED TUNNEL JUNCTION	
		<b>Express Mail Label No.</b>	

<b>APPLICATION ELEMENTS</b> <small>See MPEP chapter 600 concerning utility patent application contents.</small>	<b>ADDRESS TO:</b> MS Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450
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1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) <small>(Submit an original, and a duplicate for fee processing)</small> 2. <input type="checkbox"/> Applicant claims small entity status. <small>See 37 CFR 1.27.</small> 3. <input checked="" type="checkbox"/> Specification <span style="float: right;">[Total Pages <b>21</b>]</span> <small>(preferred arrangement set forth below)</small> <ul style="list-style-type: none"> <li>- Descriptive title of the invention</li> <li>- Cross Reference to Related Applications</li> <li>- Statement Regarding Fed sponsored R &amp; D</li> <li>- Reference to sequence listing, a table, or a computer program listing appendix</li> <li>- Background of the Invention</li> <li>- Brief Summary of the Invention</li> <li>- Brief Description of the Drawings (if filed)</li> <li>- Detailed Description</li> <li>- Claim(s)</li> <li>- Abstract of the Disclosure</li> </ul> 4. <input checked="" type="checkbox"/> Drawing(s) (35 U.S.C. 113) <span style="float: right;">[Total Sheets <b>4</b>]</span> 5. Oath or Declaration <span style="float: right;">[Total Sheets <b>2</b>]</span> a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) <small>(for continuation/divisional with Box 18 completed)</small> i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> <small>Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).</small> 6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76	7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. <input type="checkbox"/> Computer Readable Form (CRF) b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or   ii. <input type="checkbox"/> Paper c. <input type="checkbox"/> Statements verifying identity of above copies <b>ACCOMPANYING APPLICATION PARTS</b> 9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) 10. <input type="checkbox"/> 37 CFR 3.73(b) Statement <input type="checkbox"/> Power of Attorney <small>(when there is an assignee)</small> 11. <input type="checkbox"/> English Translation Document (if applicable) 12. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations 13. <input type="checkbox"/> Preliminary Amendment 14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) <small>(Should be specifically itemized)</small> 15. <input type="checkbox"/> Certified Copy of Priority Document(s) <small>(if foreign priority is claimed)</small> 16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). <small>Applicant must attach form PTO/SB/35 or its equivalent.</small> 17. <input type="checkbox"/> Other:
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18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation    ☐ Divisional    ☐ Continuation-in-part (CIP)    of prior application No.: \_\_\_\_\_


Prior application information: Examiner \_\_\_\_\_ Art Unit: \_\_\_\_\_

**For CONTINUATION OR DIVISIONAL APPS only:** The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>19. CORRESPONDENCE ADDRESS</b>					
<input type="checkbox"/> Customer Number: _____		OR <input checked="" type="checkbox"/> Correspondence address below			
Name: HONEYWELL INTERNATIONAL INC. Andrew A. Abeyta					
Address: 101 Columbia Road P.O. B. 2245					
City: Morristown	State: NJ	Zip Code: 07962			
Country: US	Telephone: (602) 313-3345	Fax: (602) 313-4559			

Name (Print/Type): Song K. Jung	Registration No. (Attorney/Agent): 35,210
Signature: 	Date: November 14, 2003

FEE TRANSMITTAL for FY 2004				Complete if Known																																																																																																																																																																																																																																																																																																																																																																																													
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Abeyta</td> <td colspan="2">(Complete if applicable)</td> </tr> <tr> <td colspan="2">Registration No. (Attorney/Agent)</td> <td colspan="2">39,582</td> <td colspan="2">Telephone (602) 313-3345</td> </tr> <tr> <td colspan="2">Signature</td> <td colspan="2"></td> <td colspan="2">Date 11-12-03</td> </tr> </tbody> </table>			Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	820*	1804	820*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	850	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	2,010	2255	1,005	Extension for reply within fifth month		1401	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or release)		1602	480	2602	240	Design issue fee		1603	640	2603	320	Plant issue fee		1480	130	1480	130	Petitions to the Commissioner		1807	60	1807	60	Processing fee under 37 CFR 1.17(q)		1808	180	1808	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00	1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify):						Reduced by Basic Filing Fee Paid				SUBTOTAL (3) (\$)						40.00		1. 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Abeyta		(Complete if applicable)		Registration No. (Attorney/Agent)		39,582		Telephone (602) 313-3345		Signature				Date 11-12-03	
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1253	850	2253	475	Extension for reply within third month																																																																																																																																																																																																																																																																																																																																																																																													
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																																																																																																																																																																																																																													
1255	2,010	2255	1,005	Extension for reply within fifth month																																																																																																																																																																																																																																																																																																																																																																																													
1401	330	2401	165	Notice of Appeal																																																																																																																																																																																																																																																																																																																																																																																													
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																																																																																																																																																																																																																													
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																																																																																																																																																																																																																													
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																																																																																																																																																																													
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																																																																																																																																																																																													
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																																																																																																																																																																																																																													
1501	1,330	2501	665	Utility issue fee (or release)																																																																																																																																																																																																																																																																																																																																																																																													
1602	480	2602	240	Design issue fee																																																																																																																																																																																																																																																																																																																																																																																													
1603	640	2603	320	Plant issue fee																																																																																																																																																																																																																																																																																																																																																																																													
1480	130	1480	130	Petitions to the Commissioner																																																																																																																																																																																																																																																																																																																																																																																													
1807	60	1807	60	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																																																																																																																																																																																																																													
1808	180	1808	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																																																																																																																																																																													
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	40.00																																																																																																																																																																																																																																																																																																																																																																																												
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))																																																																																																																																																																																																																																																																																																																																																																																													
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))																																																																																																																																																																																																																																																																																																																																																																																													
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																																																																																																																																																																																																																													
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																																																																																																																																																																																													
Other fee (specify):																																																																																																																																																																																																																																																																																																																																																																																																	
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